

REMARKS

This application has been carefully reviewed in light of the final Office Action dated July 15, 2005. Claims 1 to 12 are pending in the application. Claims 1 and 7 are in independent form. Reconsideration and further examination are respectfully requested.

First, it is respectfully requested that the finality of this Office Action be withdrawn. In this regard, the Office Action alleges that Applicant's previous amendments necessitated new grounds of rejection. However, the Office Action is not seen to provide such new grounds of rejection, but instead merely repeats the same grounds of rejection with respect to Japanese Application No. 6-309047 (Fukuda). Furthermore, it was previously conceded in the January 12, 2005 Office Action that Fukuda does not disclose a "primary winding having two or three turns". However, the current Office Action alleges that Fukuda discloses this claimed feature, but does not provide any specific citations to Fukuda. Accordingly, withdrawal of the finality of this Office Action is respectfully requested.

In the Office Action, Claims 1 to 12 were rejected under 35 U.S.C. § 102(b) over Japanese Application No. 6-309047 (Fukuda). This rejection is respectfully traversed.

The present invention generally concerns power conversion in which a power converter includes (or uses) a transformer. Among its many features, the present invention provides that the transformer includes (i) a primary winding which has two or three turns, and (ii) a secondary winding which has more turns than the primary winding to boost the output voltage from the power source by 25 to 500 times.

Referring specifically to the claims, independent Claim 1 is directed to a power converter for converting an output from a power source having an unstable output voltage, the power converter including a transformer. The transformer includes a primary winding which has two or three turns. The transformer also includes a secondary winding which has more turns than the primary winding to boost the output voltage from the power source by 25 to 500 times.

Independent Claim 7 is directed to an electric power generator including a power source having an unstable output voltage, and a power converter using a transformer. The transformer includes a primary winding which has two or three turns, a secondary winding which has more turns than the primary winding to boost the output voltage from the power source by 25 to 500 times.

The applied art is not seen to disclose or to suggest the features of the invention of the subject application. In particular, Fukuda is not seen to disclose or suggest at least the features of a transformer including (i) a primary winding which has two or three turns, and (ii) a secondary winding which has more turns than the primary winding to boost the output voltage from the power source by 25 to 500 times.

As understood by Applicants, Fukuda discloses a solar battery power supply 1a for converting a DC power output from a solar battery into AC power. See Fukuda (English-language translation submitted with January 8, 2004 Information Disclosure Statement), Abstract. The solar battery power supply 1a includes a switching circuit 21a formed with a transformer T1. See Fukuda, Figure 2; page 12, lines 5 to 20.

The Office Action equated Fukuda's transformer T1 with the claimed transformer. As noted above, however, at page 3 of the previous Office Action dated

January 12, 2005, it was acknowledged that Fukuda does not disclose a transformer having a primary winding with two or three turns. While the current Office Action alleges that Fukuda discloses this claimed feature, Applicants respectfully submit that nothing in Fukuda is seen to disclose or suggest that its T1 transformer includes a primary winding having two or three turns.

Furthermore, Fukuda is not seen to disclose or suggest a transformer having a secondary winding which has more turns than the primary winding, to boost the output voltage from the power source by 25 to 500 times. The Office Action alleges that output voltage from a power source is boosted by a few ten times to a few hundred times in Fukuda. However, Applicants respectfully submit that such a disclosure is not found in Fukuda. Rather, page 16, lines 22 to 24 of Fukuda is seen to merely disclose that a boost ration of a DC/DC converter 11a can have a value of "2".

As such, Fukuda is not seen to disclose or suggest a transformer including (i) a primary winding which has two or three turns, and (ii) a secondary winding which has more turns than the primary winding to boost the output voltage from the power source by 25 to 500 times.

Accordingly, based on the foregoing remarks, independent Claims 1 and 7 are believed to be allowable over the applied reference.

The other claims in the application are each dependent from the independent claims and are believed to be allowable over the applied reference for at least the same reasons. Because each dependent claim is deemed to define an additional aspect of the invention, however, the individual consideration of each on its own merits is respectfully requested.


Regarding a formal matter, it is again respectfully requested to receive an initialed copy of the Form PTO-1449, which indicates consideration of the two references listed under "OTHER DOCUMENTS", that was submitted with the Submission Of Corrected Form PTO-1449 dated April 6, 2004.

It is also respectfully requested to receive an initialed copy of the Form PTO-1449 that was submitted with the Information Disclosure Statement dated July 12, 2005.

No other matters being raised, it is believed that the entire application is fully in condition for allowance, and such action is courteously solicited.

Applicants' undersigned attorney may be reached in our Costa Mesa, California office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,


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